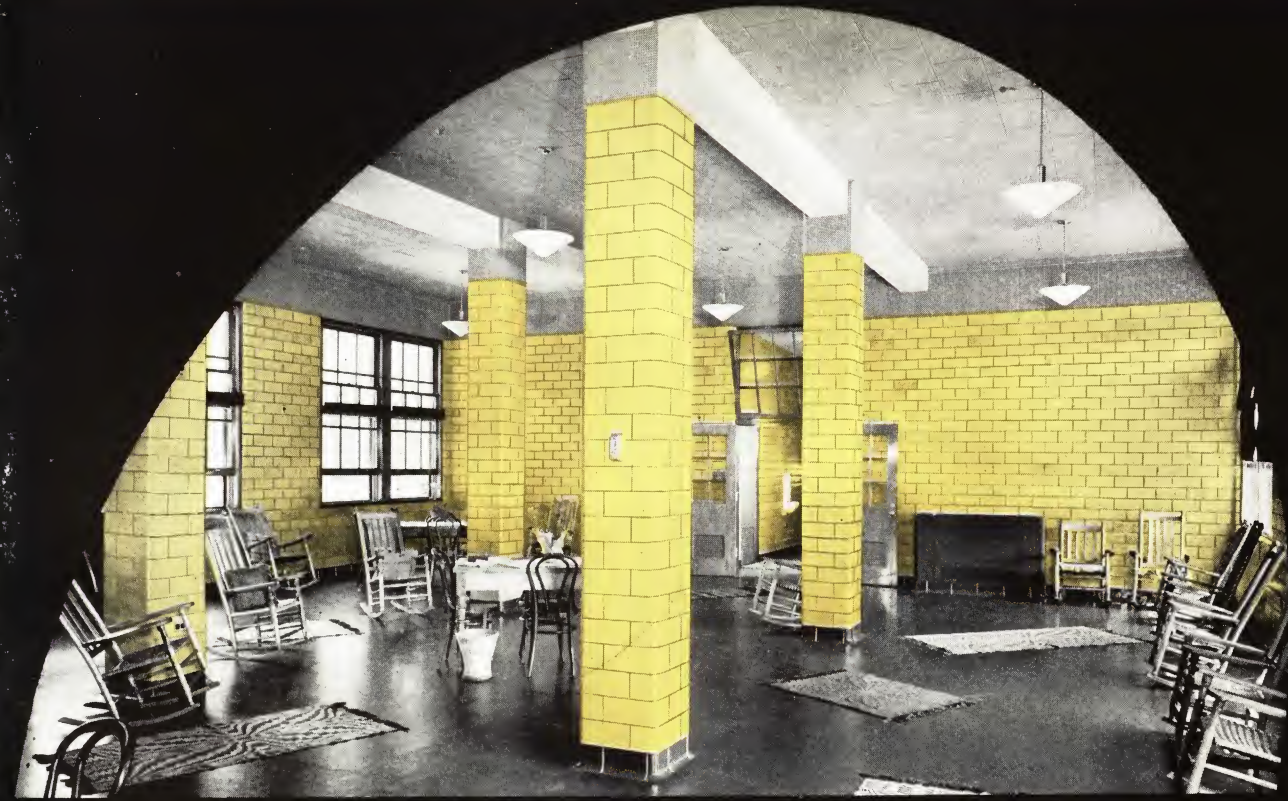


50
YEARS
1889-1939



50 YEARS OF SERVICE TO THE BUILDING INDUSTRY



GLAZED STRUCTURAL FACING TILE

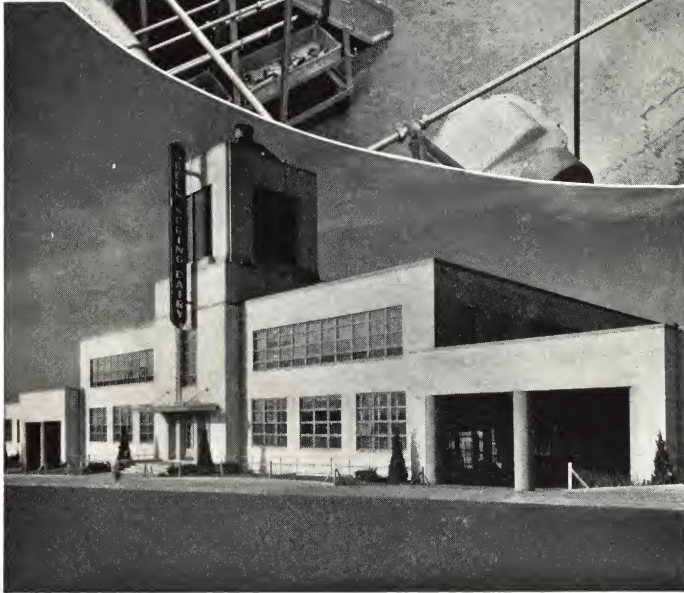
natico

NATIONAL FIREPROOFING CORPORATION

50
YEARS
1889-1939

natco

GLAZED



Used for interior walls of dairy, food product, bakery, beverage and similar buildings, Natco Glazed Structural Facing Tile gives the utmost in sanitation and light-reflecting qualities. In addition, the smooth, impervious, glass-hard, wall surfaces afford no lodging place for bacteria—are easily cleaned and kept clean.

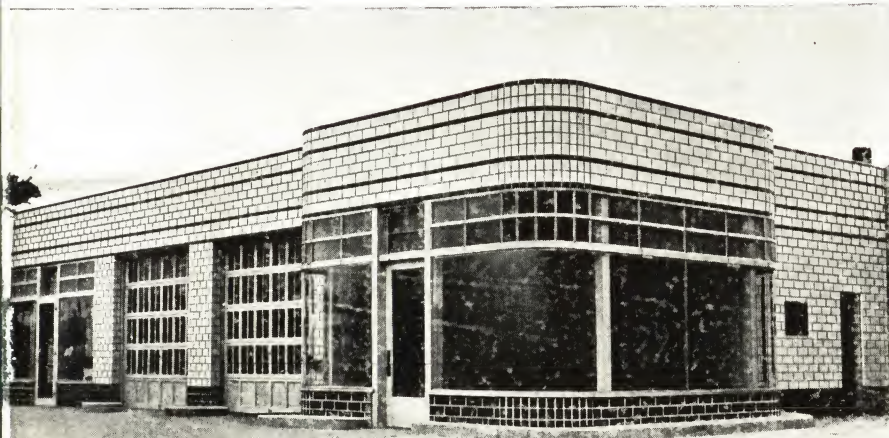
Above shows the exterior of the Green Spring Dairy, Baltimore, Maryland, also an interior view of the pasteurizing room which is lined throughout with Natco Glazed Vitritile in an extremely pleasing ivory finish, furnished through the Baltimore Brick Company. Lucius R. White, Jr., of Baltimore was the architect and the Consolidated Engineering Company of Baltimore were the general contractors.

FOR WALLS OF ENDURING BEAUTY

That Natco Glazed Structural Facing Tile is receiving increased preference from architects for walls, partitions and wainscots in public, institutional, commercial and industrial buildings of every type and kind is due to its pleasing appearance, sanitary qualities, ease of cleaning, insulation advantages, as well as savings in erection and maintenance costs. It readily adapts itself to strikingly modern as well as conservative decorative wall treatments.

All of the different types illustrated and described are made of selected fire clay and cured and burned under the direction of experienced ceramic engineers. The deairing process is used in its manufacture. This removes all entrapped air from the clay before it is formed into shape, eliminates surface imperfections and promotes true and even edges.

STRUCTURAL FACING TILE



For permanent architectural beauty in exterior wall construction, Natco Glazed Structural Facing Tile, with its wide variety of colors and mottles, in high gloss or matt finishes is adaptable for any type of building.

The illustration at the upper left shows a combination store and garage building in Sterling, Colorado, in which Natco Vitritile "V" Series was used. The ivory ceramic glaze used for the field, combined with the dark green tile used for the trim, proved very attractive.



The illustration, immediately below, shows Natco Decorata "W" Series in the Valley Oil Service Station, Rockford, Illinois. White and gray mottled tile was used with black base, with a dark green tile for the trim, an extremely pleasing combination.

Illustration at bottom shows Natco Glazed Vitritile, "V" Series, used for lining the operating room, St. Francis Hospital, Pittsburgh. Gray and buff mottled tile was used for the field with glossy black tile for the base and belt courses.

The ceramic glazes used are of the highest quality. They are high fired, that is, burned at temperatures of 1800 to 2000 degrees Fahrenheit. These glazes comprise attractive matt and glossy effects in solid colors as well as mottles. The salt glazes are furnished in mingled light shades. The mingled tones, in both the ceramic and salt glazes, produce wall surfaces with much more character than uninteresting, uniform shades.

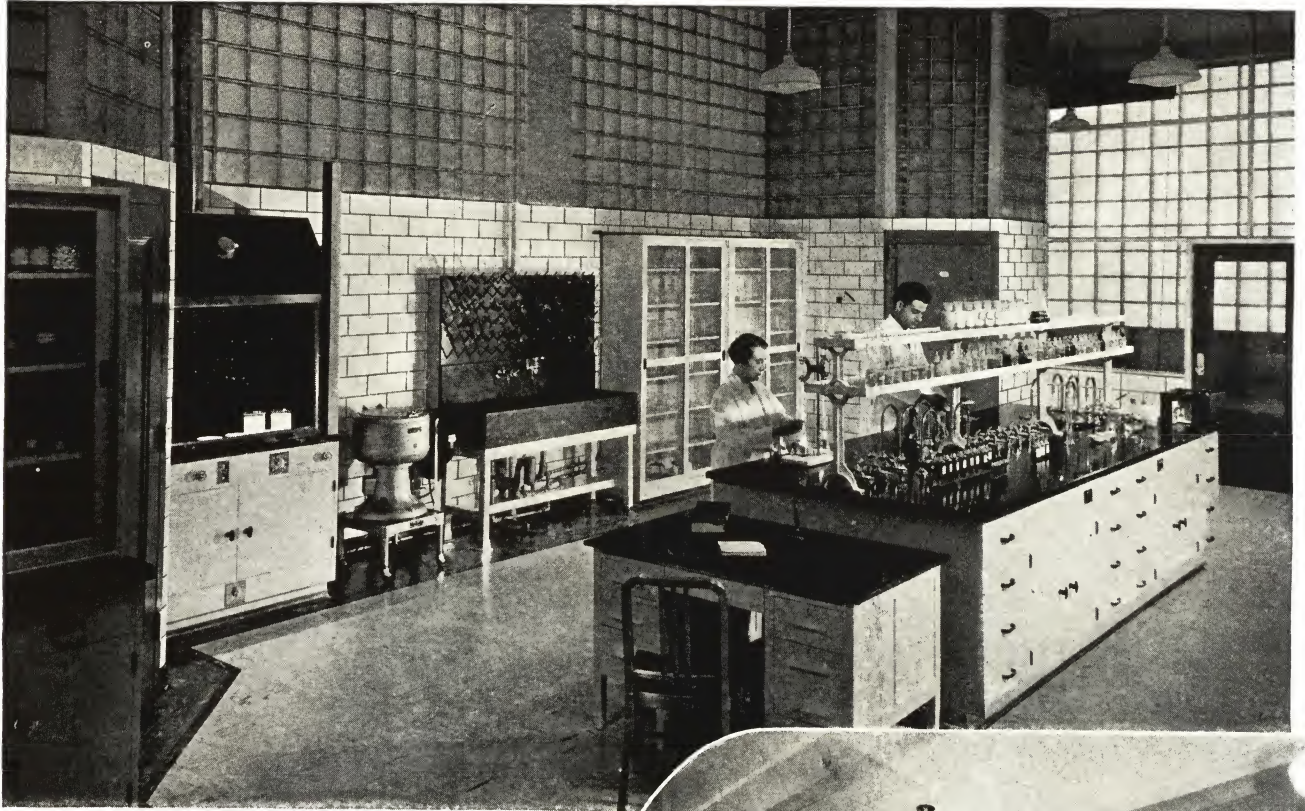
These colors and shades will not fade. Life expectancy tests by the auto-clave method, accurately simulate the wear and tear of years of exposure. Applied to Natco Glazed Structural Facing Tile, they confirm what has already been proved in thousands of actual installations, that Natco Glazes positively will endure.



NATIONAL FIREPROOFING CORPORATION • Pittsburgh

50
YEARS
1889-1939

natco **GLAZED**



Natco Glazed Vitritile "V" Series in analytical laboratory of new toiletries plant of the Campana Sales Company, Batavia, Illinois. Gray and buff mottled tile used. Frank D. Chase and Childs & Smith, Associate Architects and Engineers, Pere Anderson & Company, Contractors, both of Chicago.

With walls of Natco Glazed Structural Facing Tile, there is an assurance of freedom from future maintenance, painting, plastering or repair bills. First cost is last cost.

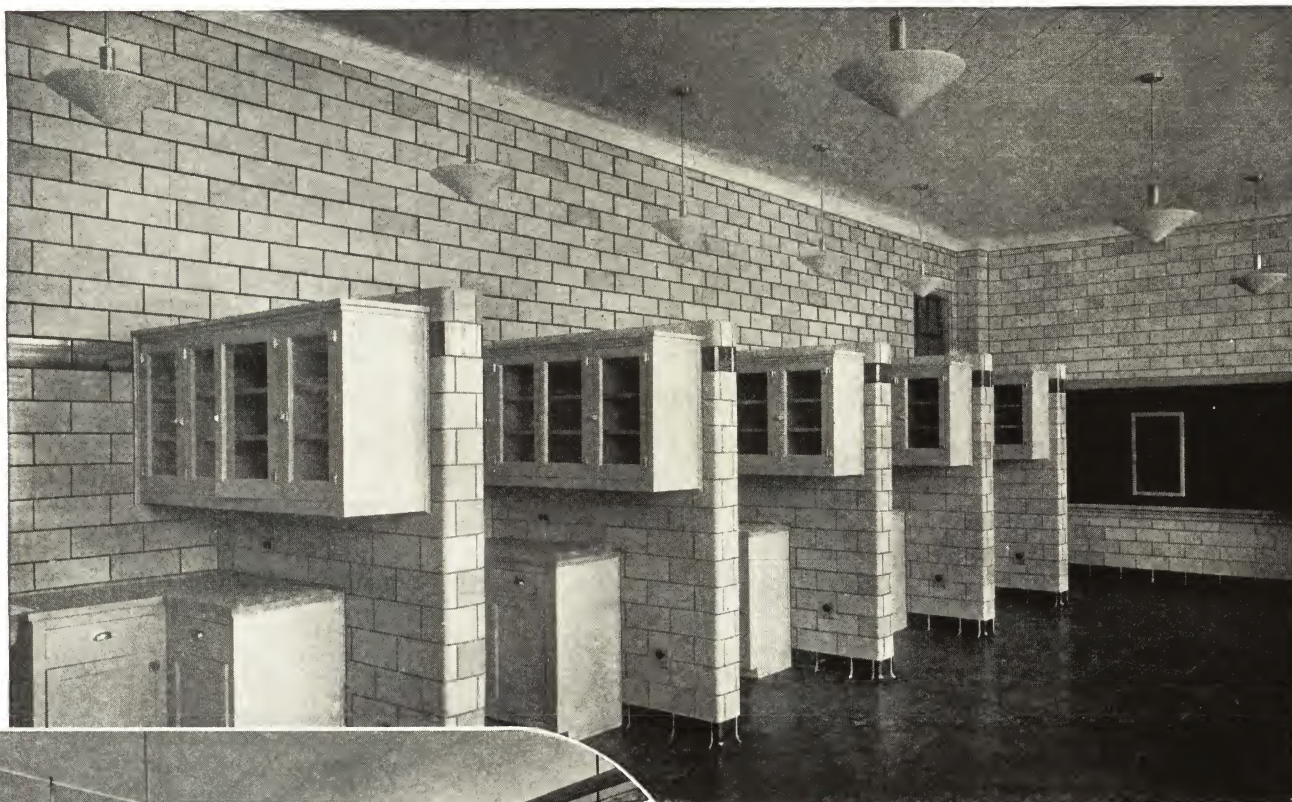
The glass-hard surfaces are easily cleaned and kept clean, are not affected by heat, cold dampness, grease or chemicals. It is these characteristics which make Natco Glazed Structural Facing Tile so satisfactory for walls of dairy, food product and similar buildings where cleanliness and attractiveness are so important.

Scientifically designed to offer maximum strength with minimum weight, Natco Glazed Structural Facing Tile are all true load-bearing units which effect savings in dead load, with consequent reductions in steel and foundation costs.



Natco Glazed Decorata Tile, "W" Series, in office of the Eloise Storage Warehouse, Eloise, Michigan. Light buff mottled tile used throughout. Nathaniel O. Gould, Architect, W. E. Wood Company, General Contractors.

STRUCTURAL FACING TILE



Farm Security Administration School at Cahaba, Birmingham, Alabama. Natco Salt Glazed Light Vitritile used with dark chocolate base and belt course. Architect, D. H. Green, Birmingham, Alabama.

Proof against fire, the large comparatively light units are also quickly handled and laid.

With each tile laid a portion of the finished wall is put in place.

Used for veneering or furring purposes, Natco Glazed Structural Facing Tile has also proved its economy and enduring attractiveness in thousands of representative buildings throughout the country.

The double shell construction assures secure mortar joints—combined with the cellular construction, with its enclosed air spaces, resists the passage of heat, cold, sound and moisture going through the walls.

Estimates of the cost and quantities of Natco Glazed Structural Facing Tile will be gladly given on any project up now or contemplated in the future.



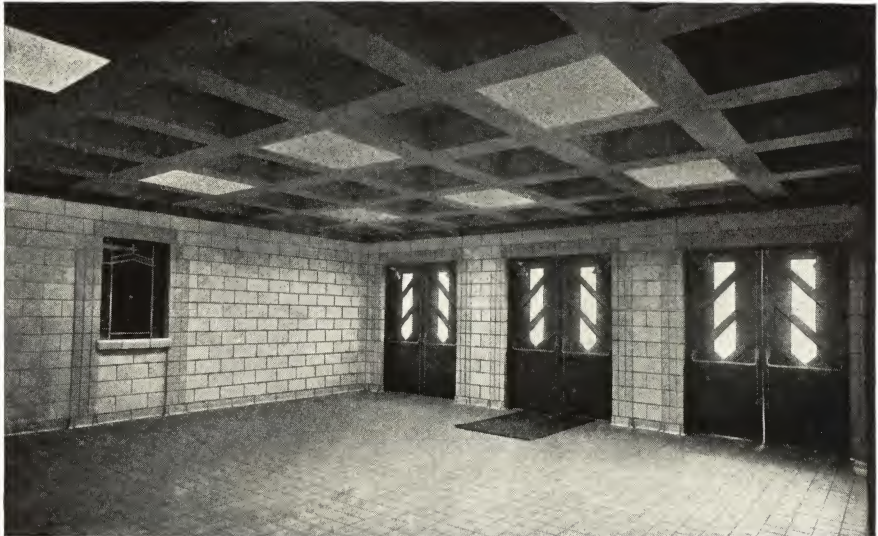
View of butcher shop in Eloise Storage Warehouse, Eloise, Michigan, where Natco Glazed Decorata Tile, "W" Series was used. Light buff mottled tile used throughout. Nathaniel O. Gould, Architect and W. E. Wood Company, General Contractors.

NATCO • GLAZED STRUCTURAL FACING TILE

Unlimited possibilities as to interior treatments and color schemes are possible with Natco Glazed Structural Facing Tile in that there are so many colors in plain or mottled effects available. It provides a permanent and sanitary lining that will require no maintenance cost during the life of the building and the initial cost is no greater than many other materials that do not have the same sanitary and structural qualities.

Illustration at top shows Natco Glazed Decorata Tile, "W" Series, in National Guard Armory, Rockford, Illinois; buff and green and gray and buff mottled tile was used. Harold Bradley, Architect, and Sjostrom & Sons, Contractors, both of Rockford, Illinois.

Immediately under is interior view of Avon Exchange Building, Cincinnati & Suburban Bell Telephone Building, Cincinnati, Ohio, showing Natco Glazed Decorata Tile, "W" Series; gray and buff mottled tile was used with a dark green tile for the base course.



Natco Glazed Decorata Tile, "W" Series, in Women's Detention Room of the Winnebago County Court House, Oshkosh, Wisconsin. Ivory and solid cream shades were used with a chocolate base. Granger & Bollenbacker, Architects and Lundoff-Bicknell Company, Contractors, both of Chicago.

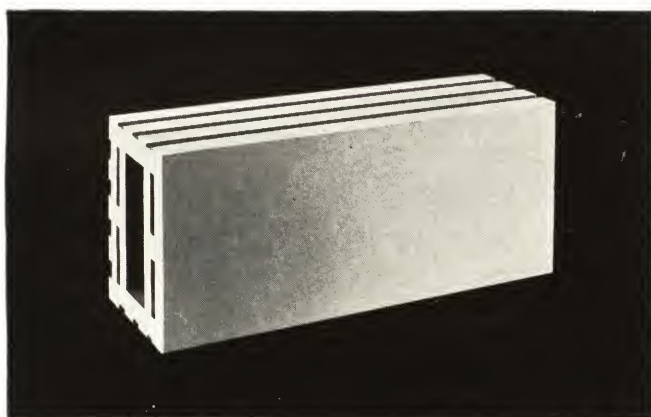
In the following pages, we show the comprehensive line of shapes available in every type of Natco Glazed Structural Facing Tile. They are the result of many years' experience in furnishing glazed ware and will adequately take care of practically all structural conditions encountered. To insure the most economical construction, as well as the most attractive appearance in the finished work, an electrical abrasive saw, either of the portable or table type is used to produce cuts as required. On any specific application, if desired, our Engineering Department will be pleased to co-operate in working out the most efficient and economical use of Natco Glazed Structural Facing Tile.

Standard Stretcher Shapes—Natco Glazed Structural Facing Tile

NATCO

DECORATA

"W" Series—8x16¼-inch face (equivalent to 6 standard brick). Furnished in ceramic glazes only, for 3⅞-inch wall thickness; also 1¾-inch for furring. Natco Decorata "W" Series is furnished select one face only. See pages 8 and 9 for shape details.

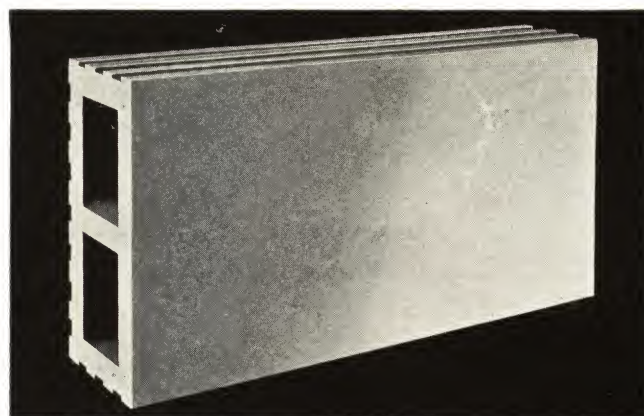
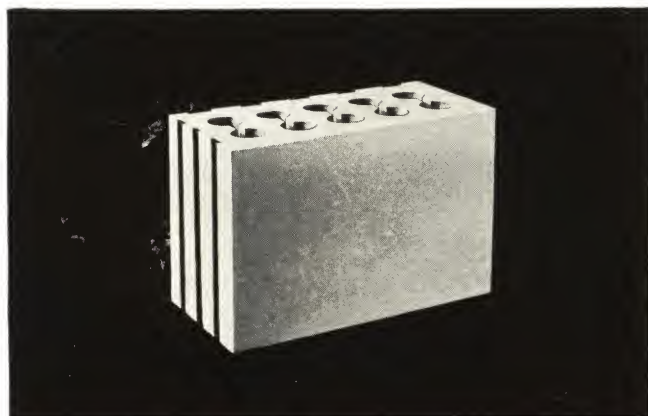


★ ★ ★

NATCO

DECORATA

"N" Series—5x8-inch face (equivalent to 2 standard brick). Double shell construction. Furnished in ceramic and salt glazes. For 3⅞, 5⅞ and 8-inch wall thickness; also in 1¾-inch for furring. Usually furnished select one face; on special order can be supplied select two faces. See pages 14 and 15 for shape details.

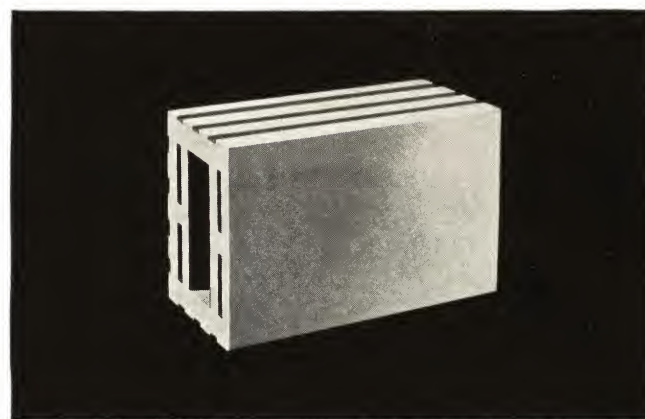


★ ★ ★

NATCO

VITRITILE

"T" Series—5x12-inch face (equivalent to 3 standard brick). Double shell construction. Furnished in ceramic and salt glazes. For 3⅞, 5⅞ and 8-inch wall thickness; also in 1¾-inch for furring. Usually furnished select one face; on special order can be supplied select two faces. See pages 10, 11 and 12 for shape details.



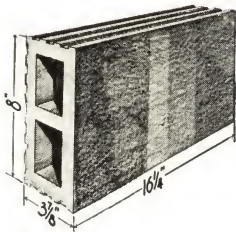
★ ★ ★

NATCO

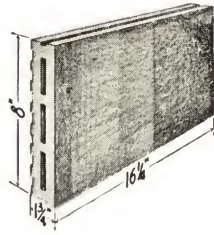
VITRIBRIK

"D" Series—5x8-inch face (equivalent to 2 standard brick). Vertical construction. Furnished in ceramic and salt glazes. For 3⅞, 5⅞ and 8-inch wall thickness; also in 1¾-inch for furring. Usually furnished select one face; on special order can be supplied select two faces. See pages 16 and 17 for shape details.

STRETCHER GROUP

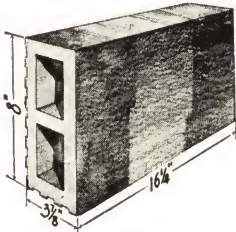


W Stretcher
W1 Same, Half

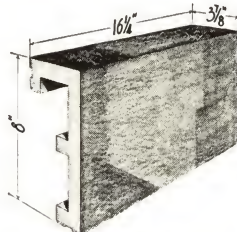


WA Soap Stretcher
W1A Same, Half

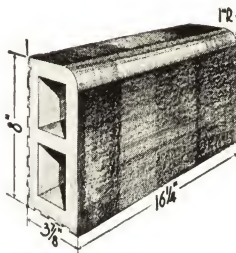
GROUP II SHAPES



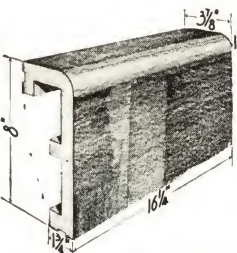
W10 Square Sill
W11 Same, Half



W10B Soap, Square Sill,
4" Reveal
W11B Same, Half
W10A Soap, Square Sill,
2" Reveal
W11A Same, Half

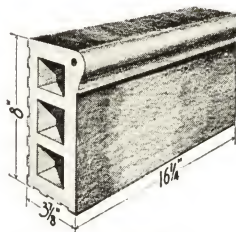


W20 Bullnose Sill
W21 Same, Half

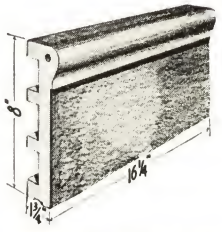


W20B Soap, Bn. Sill, 4" Rev.
W21B Same, Half
W20A Soap, Bn. Sill, 2" Rev.
W21A Same, Half

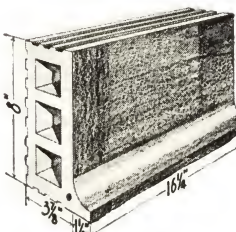
The above SILL SHAPES are popular for cap and coping.



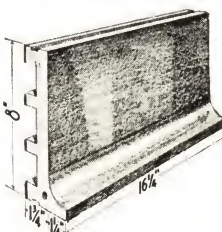
W40 Cap Stretcher
W41 Same, Half



W40A Soap, Cap Stretcher
W41A Same, Half

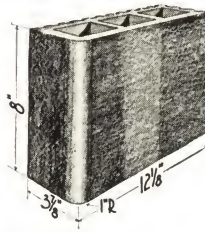


W50 Cove Stretcher
W51 Same, Half

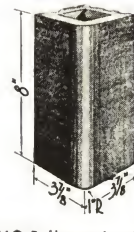


W50A Soap, Cove
Stretcher
W51A Same, Half

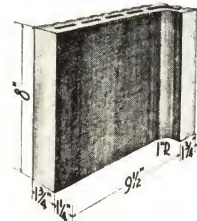
GROUP I SHAPES



WM4 Bullnose Jamb
WM2 Quoin (Square)
Jamb



W4Q Bullnose Jamb,
4" Long
W2Q Quoin (Sq.) Jamb,
4" Long

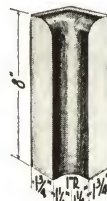


W8 Coved Internal Corner

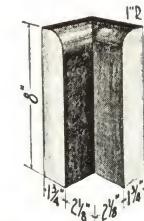
GROUP IV SHAPES



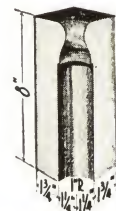
WM34R Bullnose Jamb
Miter, Right
(Used with Slope Sills)



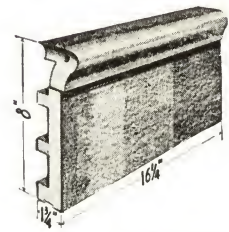
W28H Soap, Bullnose Sill
Internal Coved
Corner



W27H Soap, Bullnose Sill,
Internal Square
Corner



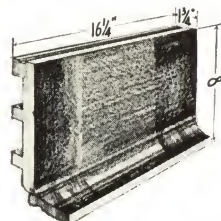
W48H Cap, Internal Coved
Corner



W47R Cap, Coped, Right

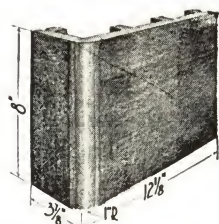


W58H Cove, Internal
Coved Corner

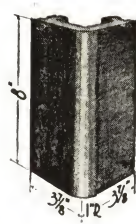


W57R Cove, Coped, Right
W57HR Same, Half

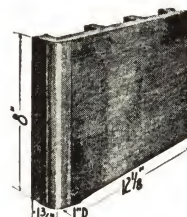
SERIES "W" 8" x 16 $\frac{1}{4}$ " FACE . . SIX and one-half BRICK EQUIVALENT UNITS



WM4B Soap, Bullnose Jamb,
4" Return
WM2B Soap, Quoin (Sq.)
Jamb, 4" Return



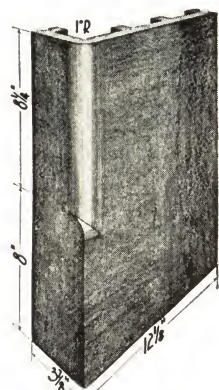
W4BQ Soap, Bullnose Jamb,
4" Return, 4" Long
W2BQ Soap, Quoin (Sq.) Jamb,
4" Return, 4" Long



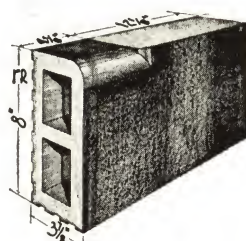
WM4A Soap, Bullnose
Jamb, 2" Return
WM2A Soap, Quoin (Sq.)
Jamb, 2" Return



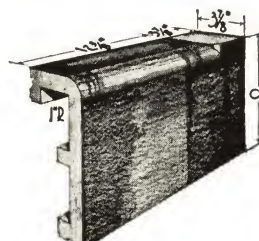
W4AQ Soap, Bullnose Jamb,
2" Return, 4" Long
W2AQ Soap, Quoin (Sq.) Jamb
2" Return, 4" Long



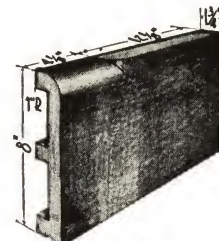
WM34BR Soap, Bn. Jamb
Miter, Right,
4" Ret.
WM34AR Same, 2" Ret.



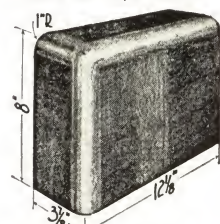
W31TR Bullnose Sill Miter,
Right, 12" Jamb
W31QR Same, 4" Jamb



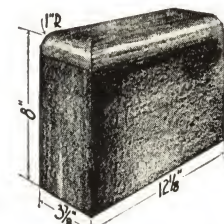
W31QBR Soap, Bullnose
Sill Miter, Right,
4" Jamb, 4" Rev.
W31TBR Same, 12" Jamb



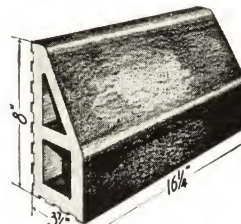
W31TAR Soap, Bullnose
Sill Miter, Right,
12" Jamb, 2" Rev.
W31QAR Same, 4" Jamb



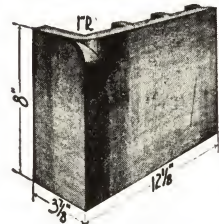
WM24R Bullnose Sill, Bullnose
Corner, Right
WM24AR Same, Soap, 2" Ret.
W24HR Bullnose Sill, Bn. Corner,
Right, 8" Long
W24AHR Same, Soap, 2" Ret.



WM22R Bullnose Sill, Square
Corner, Right
WM22AR Same, Soap, 2" Ret.
W22HR Bullnose Sill, Square
Corner, Right, 8" Long
W22AHR Same, Soap, 2" Ret.

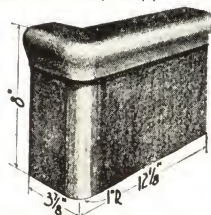


W260 Slope, Sill
W261 Same, Half

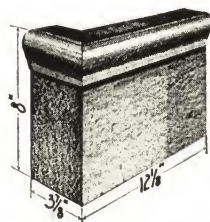


WM30BR Soap, Bullnose
Miter, Right, 4"
Return
WM30AR Same, 2" Return

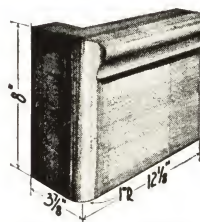
SILL SHAPES, shown above, are popular also as Cap and Coping Shapes



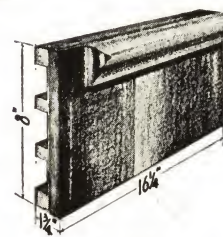
WM44R Cap, Bullnose Corner, Rt.
WM44AR Same, Soap, 2" Ret.
W44HR Cap, Bullnose Corner,
Right, 8" Long
W44AHR Same, Soap, 2" Ret.



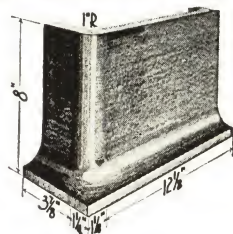
WM42R Cap, Square Corner, Rt.
WM42AR Same, Soap, 2" Ret.
W42HR Cap, Square Corner,
Right, 8" Long
W42AHR Same, Soap, 2" Ret.



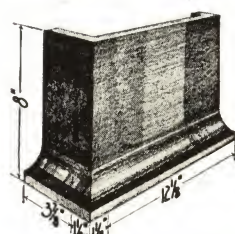
WM404R Cap Starter, Bullnose Rt.
WM404AR Same, Soap, 2" Ret.
W404HR Cap Starter, Bullnose Rt.,
8" Long
W404AHR Same, Soap, 2" Ret.



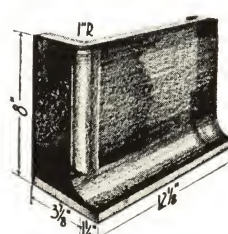
W402AR Soap, Cap
Starter Quoin
(Square), Right
W402AHR Same, Half



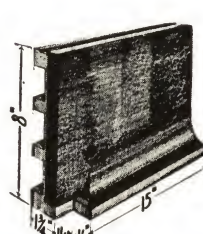
WM54R Cove, Bullnose, Right
WM54AR Same, Soap, 2" Return
W54HR Cove, Bullnose Right,
8" Long
W54AHR Same, Soap, 2" Ret.



WM52R Cove, Square Corner, Rt.
WM52AR Same, Soap, 2" Ret.
W52HR Cove, Square Corner,
Right, 8" Long
W52AHR Same, Soap, 2" Ret.



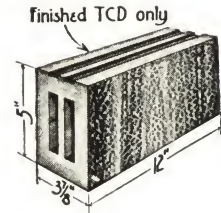
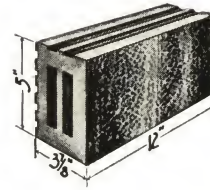
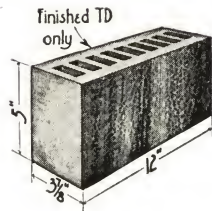
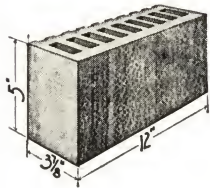
WM504R Cove Starter, Bullnose, Rt.
WM504AR Same, Soap, 2" Ret.
W504HR Cove Starter, Bullnose,
Right, 8" Long
W504AHR Same, Soap, 2" Ret.



W502AR Soap, Cove Starter,
Square Right
W502AHR Same, Half

Nominal dimensions are usually given for returns, lengths, etc.; 2" is actually 1 $\frac{3}{4}$ ", 4" is actually 3 $\frac{7}{8}$ " and 6" is actually 5 $\frac{7}{8}$ ". For complete explanatory notes, see page 23.

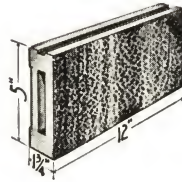
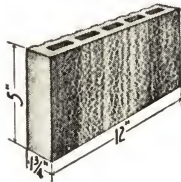
STRETCHER GROUP



T-STRETCHERS

Tgr Stretcher, Scored Back

Tsm Stretcher, Smooth Back
TD Two Face Stretcher



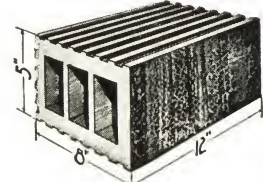
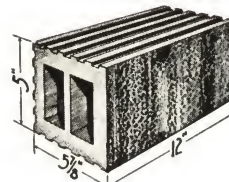
TA Soap Stretcher

TCA Soap Stretcher

TC-STRETCHERS

TCgr Stretcher, Scored Back

TCsm Stretcher, Smooth
Back
TCD Two Face Stretcher

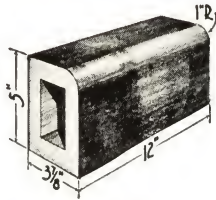


T60 6" Bond Stretcher
(Not furnished with Smooth Back or Two Face)

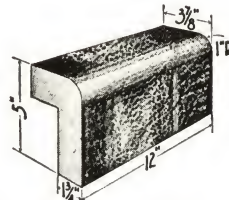
T80 8" Bond Stretcher

Unless job conditions require either SMOOTH or SCORED BACK STRETCHERS, shipment may be facilitated by ordering T-Stretchers, thereby permitting manufacturer to ship either the scored or smooth back stretchers or a mixture. Type and direction of SCORING and CORING are optional with each manufacturer. In general, each manufacturer standardizes on either the horizontal or vertical coring and does not supply both.

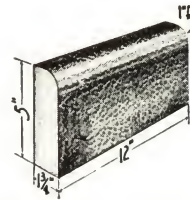
GROUP II SHAPES—Sill, Cap and Cove Stretchers



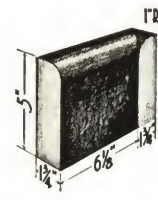
T20 Bullnose Sill
T10 Square Sill



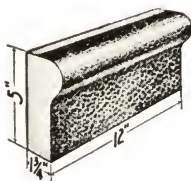
T20B Soap Bullnose Sill,
4" Reveal



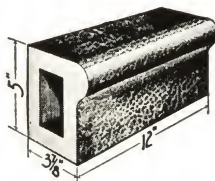
T20A Soap Bullnose Sill
2" Reveal



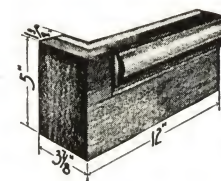
T27L Bullnose Sill, Internal
Square Corner,
Left



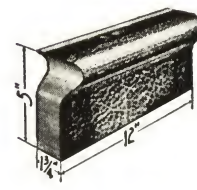
T40 Cap Stretcher
2" Reveal



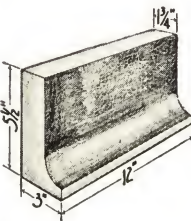
T40M Cap Stretcher,
4" Reveal



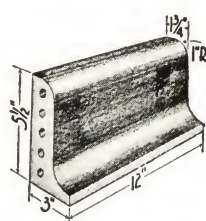
T402R Cap Starter, Quoin
(Square) Corner,
Right
T402AR Same, Soap, 2" Ret.



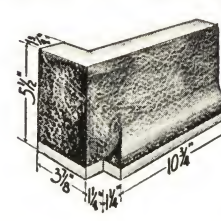
T47R Cap, Internal Coped,
Right



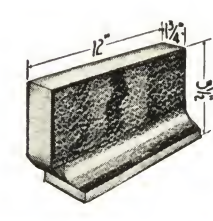
T50 Cove Stretcher



T520 Round Top Cove
(Corners and Starters
furnished for this shape
—Group V)



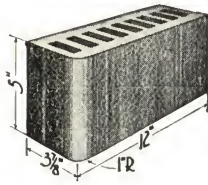
T502R Cove Starter, Quoin
(Square) Corner,
Right
T502AR Same, Soap, 2" Ret.



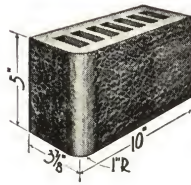
T57R Cove, Internal Coped
Right

GROUP III SHAPES Special Cap and Cove

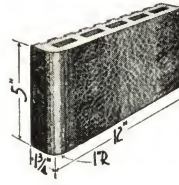
GROUP I SHAPES



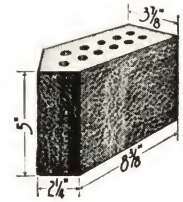
T4 Bullnose Jamb
T4H Same, Half
T2 Quoin (Square) Jamb
T2H Same, Half



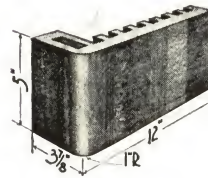
TG4 Bullnose Corner



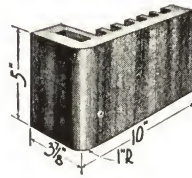
T4A Soap, Bullnose Jamb,
2" Return
T2A Soap, Quoin (Square)
Jamb, 2" Return



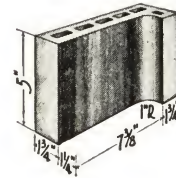
T6 External Octagon
T6A Same, Soap



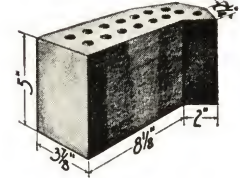
T4B Soap, Bullnose Jamb,
4" Return
T2B Soap, Quoin (Square)
4" Return



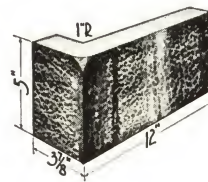
TG4B Soap, Bullnose Corner
4" Return



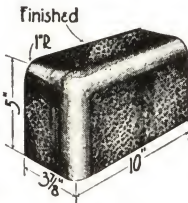
T8 Coved Internal Corner



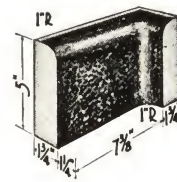
T9 Internal Octagon
T9A Same, Soap



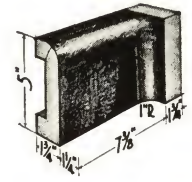
T204BR Soap, Bullnose
Starter, Right
(Used with Slope Sills)



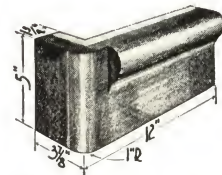
T24R Bullnose Sill, Bull-
nose Corner, Right
TG24BR Same, Soap, 4" Return
T24HR Bullnose Sill, Bullnose
Corner, Right, 6" Long
T22HR Bullnose Sill, Quoin
(Sq.) Corner, Rt., 6" Long



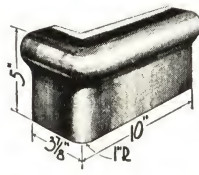
T28L Bullnose Sill, Coved
Internal Corner, Left



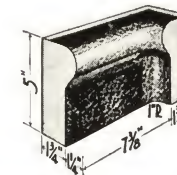
T208AL Soap, Bullnose
Copping Starter, Left



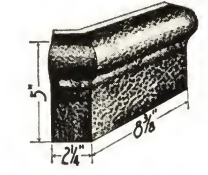
T404R Cap Starter, Bull-
nose Corner, Right
T404AR Same, Soap,
2" Return



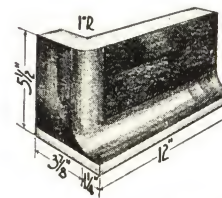
TG44R Cap, Bn. Corner, Rt.
T44HR Same, 6" Long
T42HR Cap, Quoin (Sq.)
Corner, Right,
6" Long



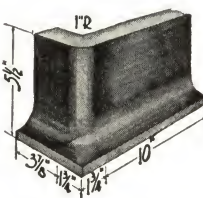
T48L Cap, Coved Internal
Corner, Left



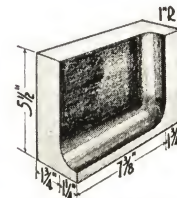
T46R Cap, External Octa-
gon, Right
T49L Cap, Int. Octagon,
Left. (For horizontal
Dimensions see T59)



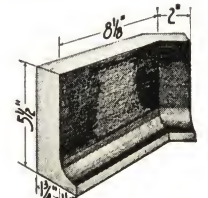
T504R Cove Starter, Bull-
nose, Right
T504AR Same, Soap, 2" Ret.



TG54R Cove, Bullnose
Corner, Right
T54HR Same, 6" Long
T52HR Cove, Quoin (Sq.)
Corner, Right 6" Long



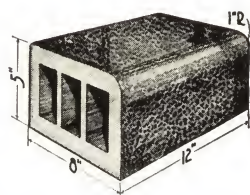
T58L Cove, Coved Internal
Corner, Left



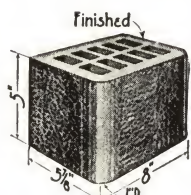
T59L Cove, Internal
Octagon, Left
T56R Cove, External
Octagon, Right
(For hor. dim. see T46)

Nominal dimensions are usually given for returns, reveals, lengths, etc.; 2" is actually 1 3/4", 4" is actually 3 7/8" and 6" is actually 5 7/8". For complete explanatory notes, see Page 23.

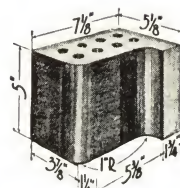
GROUP III SHAPES—Two Face Wall Ends, Copings and Specials



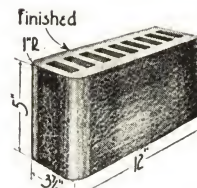
T820 Bullnose Sill, 8" Reveal
T810 Square Sill, 8" Reveal



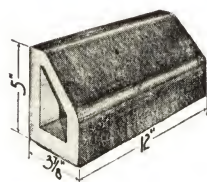
T85H Bullnose End, 8" Wall
T83H Quoin (Square) End, 8" Wall



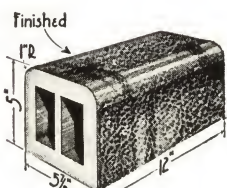
T38 Bullnose and Coved Corner
T38A Quoin (Sq.) End, 4" Wall



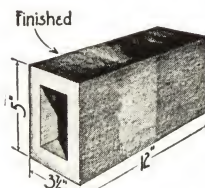
T5 Bullnose End, 4" Wall
T5H Same, Half
T3 Quoin (Sq.) End, 4" Wall



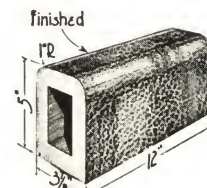
T260 Slope Sill



T620D Bullnose Coping, 6" Wall
T610D Square Coping, 6" Wall

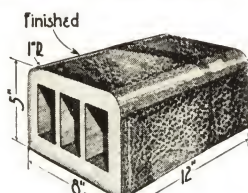


T10D Square Coping, 4" Wall



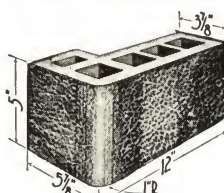
T20D Bullnose Coping, 4" Wall

GROUP IV SHAPES



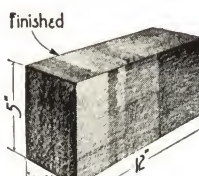
T820D Bullnose Coping, 8" Wall
T810D Square Coping, 8" Wall

GROUP II SHAPES

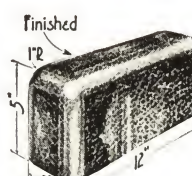


T4N Bullnose Corner, 6" Return
T4E Same, Soap
T2N Square Corner, 6" Return
T2E Same, Soap

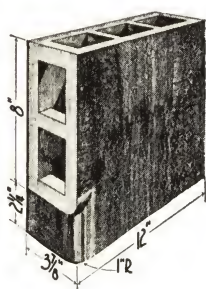
GROUP V SHAPES



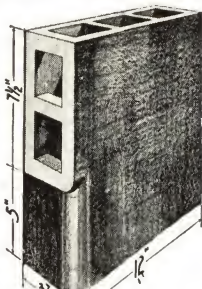
T13 Square Coping End, 4" Wall



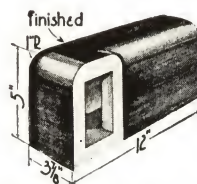
T25 Bullnose Coping, Bullnose End, 4" Wall
T25H Same, Half



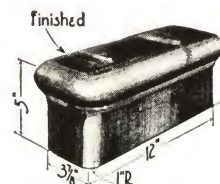
T34WR Bullnose Soldier Lintel Miter, Right
T34WAR Same, Soap, 2" Return



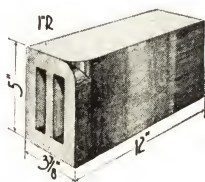
T34UR Bullnose Soldier Lintel, Universal Miter, Right
T34UAR Same, Soap, 2" Return



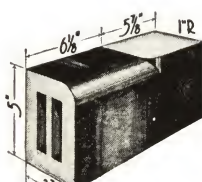
T207DR Bullnose Coping Corner, 4" Wall, Right



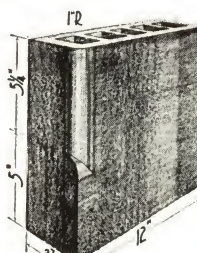
T45 Cap Coping, Bullnose End, 4" Wall
T45H Same, Half



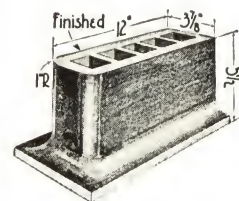
T30R Bullnose Miter, Right
T30AR Same, Soap, 2" Return



T31R Bullnose Sill Miter, Right



T34GR Bullnose Jamb Miter, Right
(Used with slope sills)
T34GAR Same, Soap, 2" Return

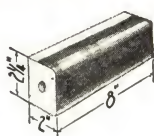


T55 Cove, Bullnose End, 4" Wall
T55H Same, Half

An extra charge is made for cutting lengths or heights other than those shown or listed.
An electrically driven saw should be used for all cutting on the job.

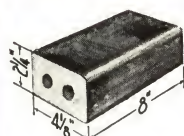
SERIES "S" 2 1/4" x 8" FACE • • ONE BRICK EQUIVALENT UNITS

GROUP II SHAPES



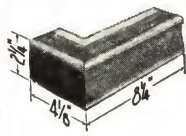
S40A Soap, Cap Stretcher, 2" Reveal

GROUP III SHAPES

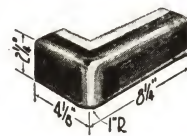


S40M Cap Stretcher, 4" Reveal

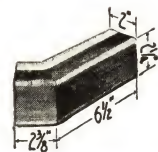
GROUP IV SHAPES—Handmade Fittings



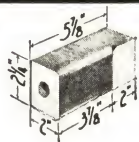
S42 Cap, Square Corner



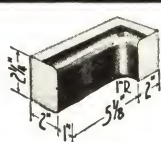
S44 Cap, Bullnose Corner



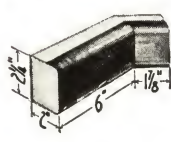
S46 Cap, External Octagon



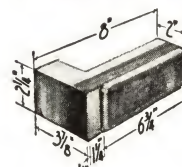
S47 Cap, Internal Square Corner



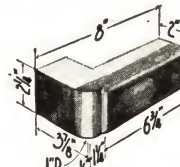
S48 Cap, Coved Internal Corner



S49 Cap, Internal Octagon



S402 Cap Starter Quoin (Square) Corner
S402A Same, Soap, 2" Return



S404 Cap Starter, Bullnose Corner
S404A Same, Soap, 2" Return

Above moulding in 2 1/4" height is also furnished in lengths to fit Series "T". When ordering, prefix the letter "T" to shape number. (Example: TS40A is a Soap, Cap Stretcher, 2" Reveal, 12" long.)

Flatter Series Shapes

This shape will generally be used as Lintels in connection with Bullnose Soldier Lintel Mitres, WT32V and WT34, etc.

F20 Flatter Bullnose Sill
F10 Flatter Square Sill
(Also used as Lintel and Corner Blocks)

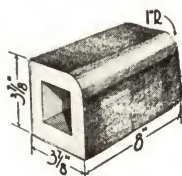
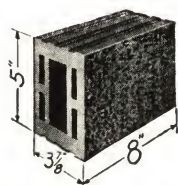


Illustration at upper right shows Natco Decorata Tile, "W" Series in the corridor of the Wayne County Building, Detroit. Nathaniel O. Gould, Architect and Engineer, Board of Wayne County Auditors. Russell Hunt, Supt., Contractors.

Pictures above and at right show office and corridor in Scranton Electric Company Building, Scranton, Pa. Natco Vitritile, "V" Series, was extensively used throughout. Davis & Lewis Architects. Breig Brothers, Contractors.

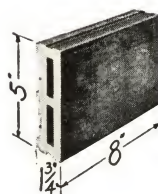
NATIONAL FIREPROOFING CORPORATION • Pittsburgh

STRETCHER GROUP

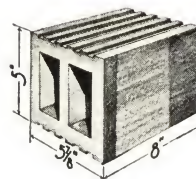


N Stretchers

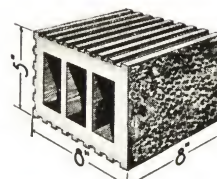
Ngr Stretcher, Scored Back Nsm Stretcher, Smooth Back
ND Two Face Stretcher



NA Soap Stretcher



N60 6" Bond Stretcher

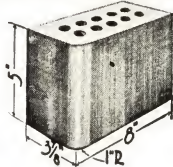


N80 8" Bond Stretcher

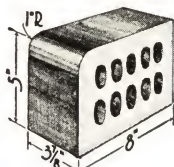
Unless job conditions require either SMOOTH or SCORED BACK STRETCHERS, shipment may be facilitated by ordering N-Stretchers, thereby permitting manufacturer to ship either the scored or smooth back stretchers or a mixture. Type and direction of SCORING and CORING are optional with each manufacturer. In general, each manufacturer standardizes on either the horizontal or vertical coring and does not supply both.

GROUP I SHAPES

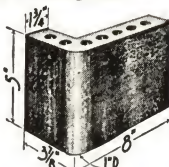
Jamb, Corners and Octagons



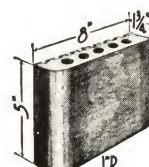
N4 Bullnose Jamb
N4H Same, Half
N2 Quoin (Square) Jamb
N2H Same, Half



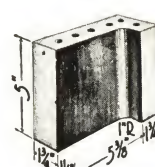
N821 Bullnose Sill Header
N811 Square Sill Header



N48 Soap, Bullnose Jamb,
4" Return
N2B Soap, Quoin (Sq.)
Jamb, 4" Return



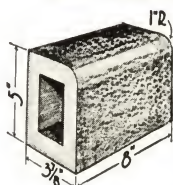
N4A Soap, Bullnose Jamb,
2" Return
N2A Soap, Quoin (Sq.)
Jamb, 2" Return



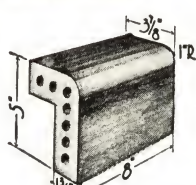
N8 Coved Internal Corner

GROUP II SHAPES

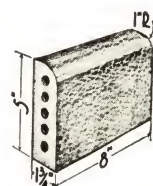
Sill, Cap and Cove Stretchers



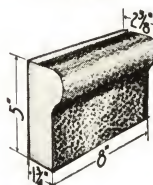
N20 Bullnose Sill, 4" Reveal
N10 Square Sill, 4" Reveal



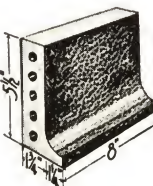
N20B Soap, Bullnose Sill,
4" Reveal
N10B Soap, Square Sill 4"
Reveal



N20A Soap, Bullnose Sill,
2" Reveal
N10A Soap, Square Sill,
2" Reveal



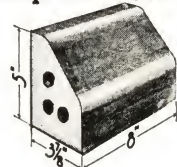
N40 Cap Stretcher,
2" Reveal



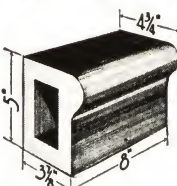
N50 Cove Stretcher

GROUP III SHAPES

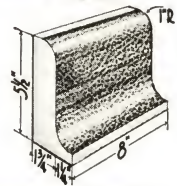
Special Sill, Cap and Cove



N260 Slope Sill, 4" Reveal

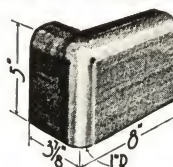


N40M Cap Stretcher,
4" Reveal

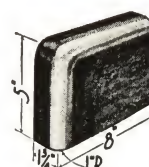


N520 Round Top Cove
Stretcher
(Corners and Starters for
this shape—Group V)

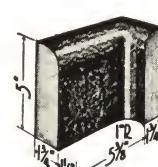
GROUP IV SHAPES



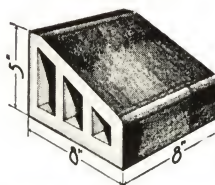
N24BR Soap, Bn. Sill, Bn.
Corner, 4" Ret., Rt.
N22BR Soap, Bn. Sill Square
Cor., 4" Ret., Rt.



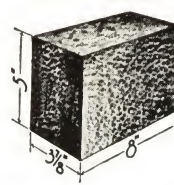
N24AR Soap, Bn. Sill Bn.
Corner, 2" Ret., Rt.
N22AR Soap, Bn. Sill Square
Cor., 2" Ret., Rt.



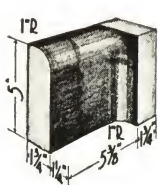
N28L Bullnose Sill, Coved
Internal Corner, Left



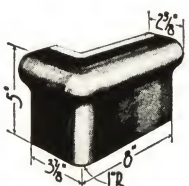
N8260 Slope Sill, 6" Reveal
N6260 Slope Sill, 6" Reveal



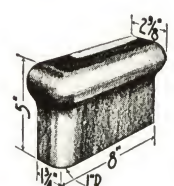
N12R Square Sill Quoin,
Right



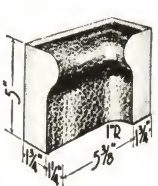
N208AL Soap, Bullnose
Coping Starter,
Left



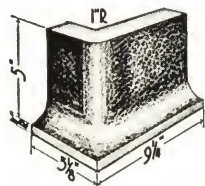
N44R Cap, Bullnose Corner,
Right
N42R Cap, Square Corner,
Right



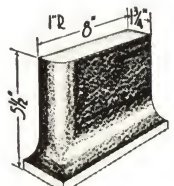
N44AR Soap Cap, Bn. Corner,
2" Return, Rt.
N42AR Soap Cap, Square
Corner, 2" Ret., Rt.



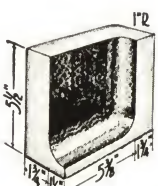
N48L Cap, Coved Internal
Corner, Left



N54R Cove Bullnose Corner,
Right
N52R Cove Quoin (Sq.)
Corner, Right



N54AR Soap, Cove Bullnose
Corner, Right
N52AR Soap, Cove Quoin
(Square) Corner,
Right



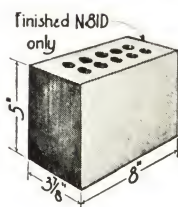
N58L Cove, Coved Internal
Corner, Left

An extra charge is made for cutting lengths or heights other than those shown or listed.
An electrically driven saw should be used for all cutting on the job.

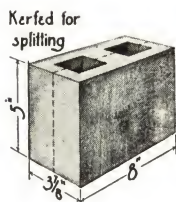
SERIES "N" 5" x 8" FACE • TWO BRICK EQUIVALENT UNITS

GROUP III SHAPES

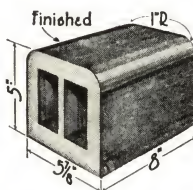
Copings and Two Face Wall Ends



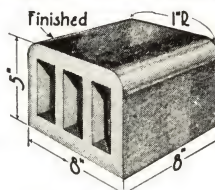
N81 Header
N81D Two Face Header



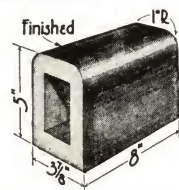
NV Kerfed Conduit
Stretcher



N620D Bullnose Coping,
6" Wall
N610D Square Coping,
6" Wall

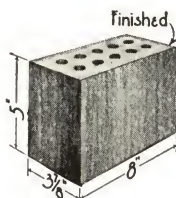


N820D Bullnose Coping,
8" Wall

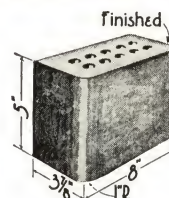


N20D Bullnose Coping,
4" Wall
N10D Square Coping,
4" Wall

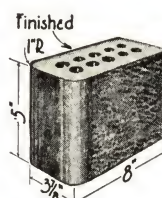
Above Shapes Also Used As Lintels



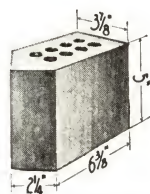
N83H Quoin (Square) End,
8" Wall



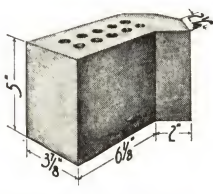
N85H Bullnose End,
8" Wall



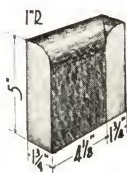
N5 Bn. End, 4" Wall
N5H Same, Half
N3 Quoin (Square) End,
4" Wall
N3H Same, Half



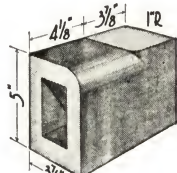
N6 External Octagon
N6A Same, Soap



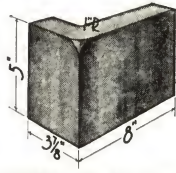
N9 Internal Octagon
N9A Same, Soap



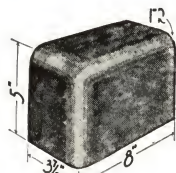
N27L Bullnose Sill, Internal
Square Corner, Left



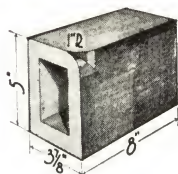
N31R Bullnose Sill Miter,
Right



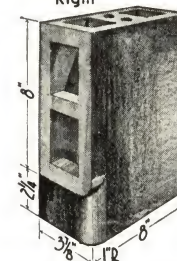
N204BR Soap, Bullnose Starter,
4" Return, Right
(Use with slope sills)
N204AR Same, 2" Return



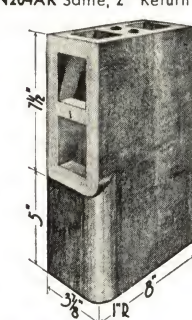
N24R Bullnose Sill, Bullnose
Corner, Right
N22R Bullnose Sill, Quoin
(Sq.) Corner, Rt.



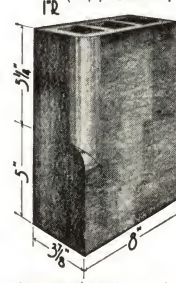
N30R Bullnose Miter,
Right
N30AR Same, Soap



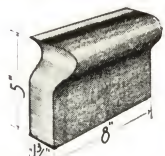
N34WR Bullnose Soldier
Lintel Miter, Right
N34WAR Same, Soap 2" Return



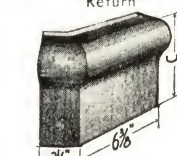
N34UR Bn. Soldier Lintel Universal
Miter, Right
N34UAR Same, Soap, 2" Return



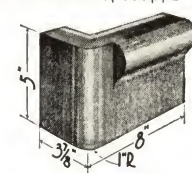
N34GR Bullnose Jamb
Miter, Right
(Used with slope sills)
N34GAR Same, Soap, 2" Return



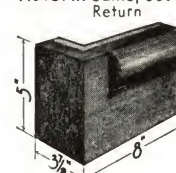
N47R Cap, Internal Coped,
Right



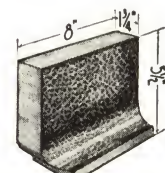
N46R Cap External Octagon,
Right
N49L Cap Internal Octagon,
Left (For Hor. Dim. see N59L)



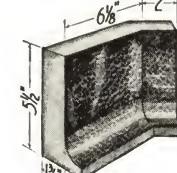
N404R Cap Starter, Bullnose,
Right
N404AR Same, Soap, 2" Return



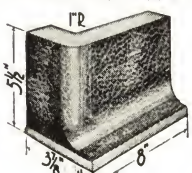
N402R Cap Starter, Quoin
(Square) Right
N402AR Same, Soap, 2" Return



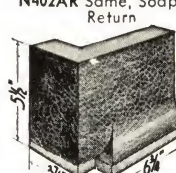
N57R Cove, Internal Coped,
Right



N59L Cove, Internal Octagon,
Left
N56R Cove External Octagon,
Right (For Hor. Dim. see D46R)

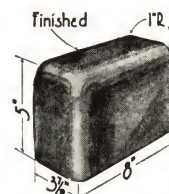


N504R Cove Starter,
Bullnose, Right
N504AR Same, Soap, 2" Return

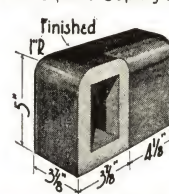


N502R Cove Starter,
Quoin (Sq.) Right
N502AR Same, Soap, 2" Return

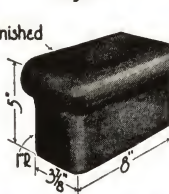
GROUP V SHAPES



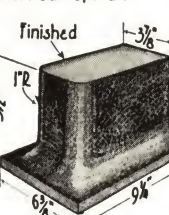
N25 Coping Bullnose End,
4" Wall
N25H Same, Half
N13 Square Coping End



N207DR Bullnose Coping
Corner, 4" Wall,
Right



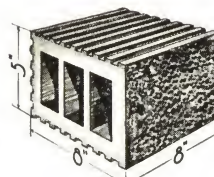
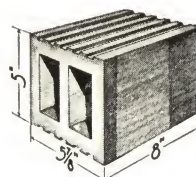
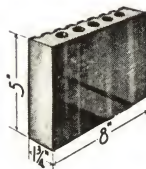
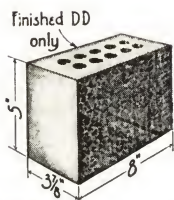
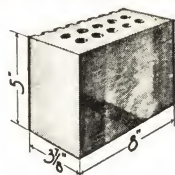
N45 Cap Coping, Bullnose
End, 4" Wall
N45H Same, Half



N55 Cove Bullnose End,
4" Wall

Nominal dimensions are usually given for returns, reveals, lengths, etc.; 2" is actually 1 3/4", 4" is actually 3 3/8" and 6" is actually 5 7/8".

STRETCHER GROUP



D Stretchers

Dgr Stretcher, Scored Back

Dsm Stretcher, Smooth Back
DD Two Face Stretcher

DA Soap Stretcher

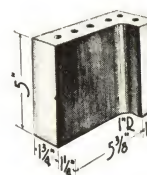
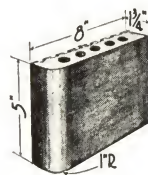
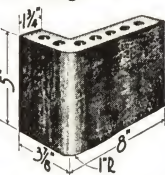
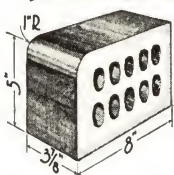
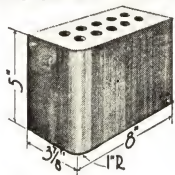
D60 6" Bond Stretcher

D80 8" Bond Stretcher

Unless job conditions require either SMOOTH or SCORED BACK STRETCHERS, shipment may be facilitated by ordering D-Stretchers, thereby permitting manufacturer to ship either the scored or smooth back stretchers or a mixture. Type and direction of SCORING and CORING are optional with each manufacturer. In general, each manufacturer standardizes on either the horizontal or vertical coring and does not supply both.

GROUP I SHAPES

Jambs, Corners and Octagons



D4 Bullnose Jamb
D4H Same, Half
D2 Quoin (Square) Jamb
D2H Same, Half

D82L Bullnose Sill Header
D81L Square Sill Header

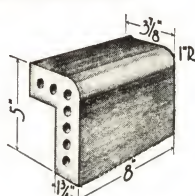
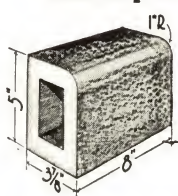
D4B Soap, Bullnose Jamb,
4" Return
D2B Soap, Quoin (Sq.)
Jamb, 4" Return

D4A Soap, Bullnose Jamb,
2" Return
D2A Soap, Quoin (Sq.)
Jamb, 2" Return

D8 Coved Internal Corner

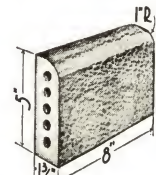
GROUP II SHAPES

Sill, Cap and Cove Stretchers

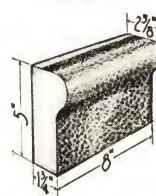


D20 Bullnose Sill, 4" Reveal
D10 Square Sill, 4" Reveal

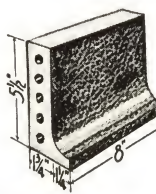
D20B Soap, Bullnose Sill,
4" Reveal
D10B Soap, Square Sill
4" Reveal



D20A Soap, Bullnose Sill,
2" Reveal
D10A Soap, Square Sill,
2" Reveal



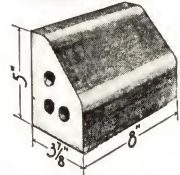
D40 Cap Stretcher
2" Reveal



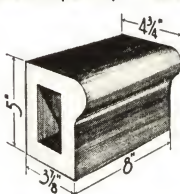
D50 Cove Stretcher

GROUP III SHAPES

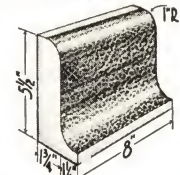
Special Sill, Cap and Cove



D260 Slope Sill, 4" Reveal

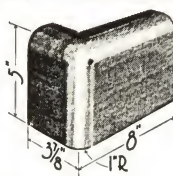


D40M Cap Stretcher,
4" Reveal

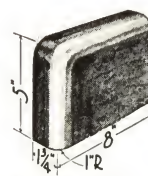


D520 Round Top Cove
Stretcher
(Corners and Starters for
this shape—Group V)

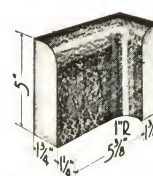
GROUP IV SHAPES



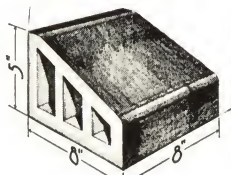
D24BR Soap, Bn. Sill Bn.
Corner, 4" Ret., Rt.
D22BR Soap, Bn. Sill Square
Cor., 4" Ret., Rt.



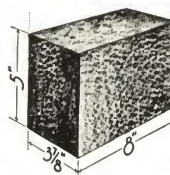
D24AR Soap, Bn. Sill Bn.
Corner, 2" Ret., Rt.
D22AR Soap, Bn. Sill Square
Cor., 2" Ret., Rt.



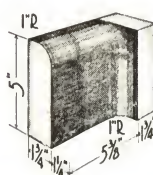
D28L Bullnose Sill, Coved
Internal Corner, Left



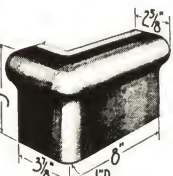
D8260 Slope Sill, 8" Reveal
D6260 Slope Sill, 6" Reveal



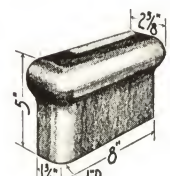
D12R Square Sill Quoin,
Right



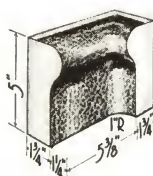
D208AL Soap, Bullnose Cop-
ing Starter, Left



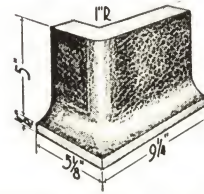
D44R Cap, Bullnose Corner,
Right
D42R Cap, Square Corner,
Right



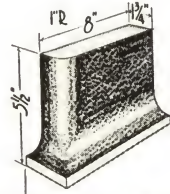
D44AR Soap, Cap, Bn. Cor-
ner, 2" Return, Rt.
D42AR Soap, Cap, Square
Corner, 2" Ret. Right



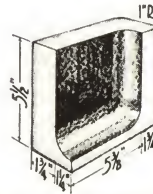
D48L Cap, Coved Internal
Corner, Left



D54R Cove Bullnose Corner,
Right
D52R Cove Quoin (Sq.)
Corner, Right

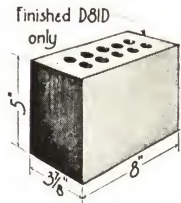


D54AR Soap, Cove Bullnose
Corner, Right
D52AR Soap, Cove Quoin
(Square) Corner,
Right

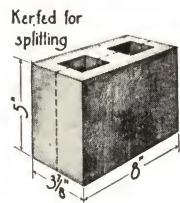


D58L Cove, Coved Internal
Corner, Left

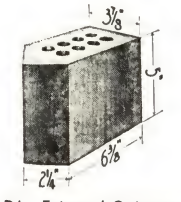
SERIES "D" 5" x 8" FACE • • TWO BRICK EQUIVALENT UNITS



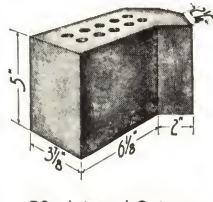
D81 Header
D81D Two Face Header



DV Kerfed Conduit
Stretcher



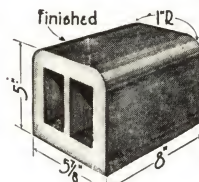
D6 External Octagon
D6A Same, Soap



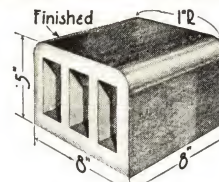
D9 Internal Octagon
D9A Same, Soap

GROUP III SHAPES

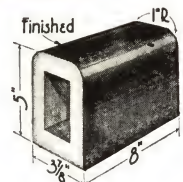
Copings and Two Face Wall Ends



D620D Bullnose Coping,
6" Wall
D610D Square Coping,
6" Wall

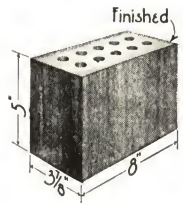


D820D Bullnose Coping,
8" Wall

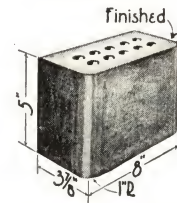


D20D Bullnose Coping,
4" Wall
D10D Square Coping,
4" Wall

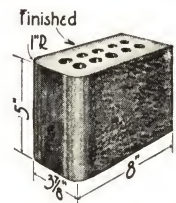
Above Shapes Also Used As Lintels



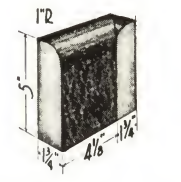
D83H Quoin (Square)
End, 8" Wall



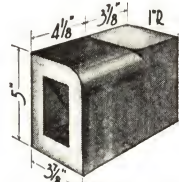
D85H Bullnose End,
8" Wall



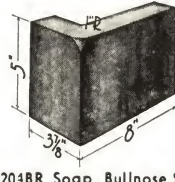
D5 Bn. End, 4" Wall
D5H Same, Half
D3 Quoin (Square) End,
4" Wall
D3H Same, Half



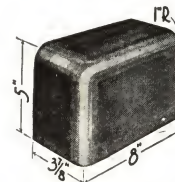
D27L Bullnose Sill, Internal
Square Corner, Left



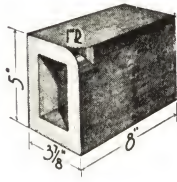
D31R Bullnose Sill Miter,
Right



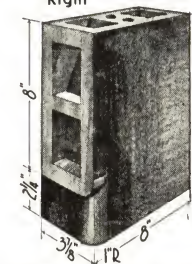
D204BR Soap, Bullnose Starter,
4" Ret., Right
(Used with slope sills)
D204AR Same, 2" Return



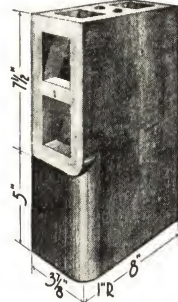
D24R Bullnose Sill, Bullnose
Corner, Right
D22R Bullnose Sill, Quoin
(Sq.) Corner, Rt.



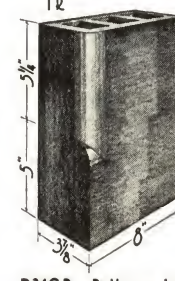
D30R Bullnose Miter,
Right
D30AR Same, Soap



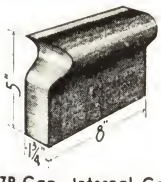
D34WR Bullnose Soldier
Lintel Miter, Right
D34WAR Same, Soap, 2"
Return



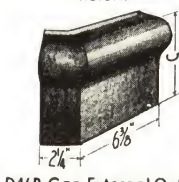
D34UR Bn. Soldier Lintel
Universal Miter, Right
D34URA Same, Soap, 2"
Return



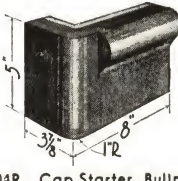
D34GR Bullnose Jamb
Miter, Right
(Used with slope sills)
D34GAR Same, Soap, 2"
Return



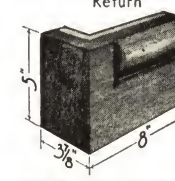
D47R Cap, Internal Coped,
Right



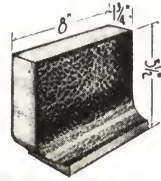
D46R Cap External Octagon,
Right
D49L Cap Internal Octagon,
Left (For Hor. Dim. see
D59L)



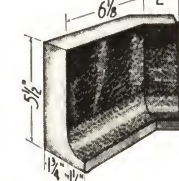
D404R Cap Starter, Bullnose,
Right
D404AR Same, Soap, 2"
Return



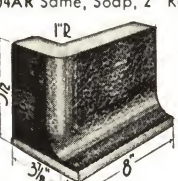
D402R Cap Starter, Quoin
(Square) Right
D402AR Same, Soap, 2"
Return



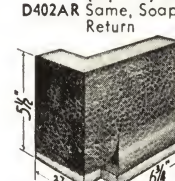
D57R Cove, Internal
Coped, Right



D59L Cove Internal Octa-
gon, Left
D56R Cove External Octa-
gon, Right (For Hor.
Dim. see D46R)

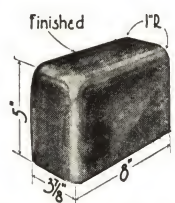


D504R Cove Starter,
Bullnose, Right
D504AR Same, Soap, 2"
Return

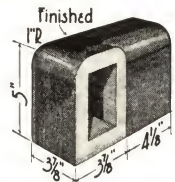


D502R Cove Starter,
Quoin (Sq.), Right
D502AR Same, Soap, 2" Ret.

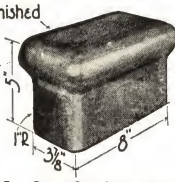
GROUP V SHAPES



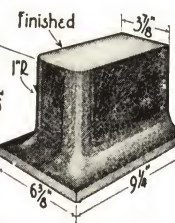
D25 Coping Bullnose End,
4" Wall
D25H Same, Half
D13 Square Coping End



D207DR Bullnose Coping
Corner, 4" Wall,
Right
D45H Same, half



D45 Cap Coping, Bullnose
End, 4" Wall
D45H Same, Half



D55 Cove Bullnose End,
4" Wall

Nominal dimensions are usually given for returns, reveals, lengths, etc.; 2" is actually 1 3/4", 4" is actually 3 3/4" and 6" is actually 5 3/4". For complete explanatory notes see Page 23.

SELECT FROM A WIDE RANGE OF PERMANENT COLORS

The ceramic glazes in which Natco Glazed Structural Facing Tile are furnished come under two primary classifications: (1) Glossy or Lustrous Finish, which is bright and image-reflecting, and (2) Matt Finish, which is non-reflecting. For the field, in either matt or glossy finish, solid colors are available in white, ivory, tan, gray and cream. The mottles are available in gray-tan, cream-brown, cream-green, buff-green, brown-cream, white-gray, gray-buff and similar combinations of light colors. Also certain attractive mottles can be obtained in a glossy finish. Solid trim

colors are furnished in light and dark brown, light and dark green, navy blue and black. These are all tested and standardized Natco finishes. New finishes and color effects are being developed and added to the Natco line from time to time in keeping with latest architectural trends. Special finishes or color combinations, however, will be made to order, by special agreement, if ample time is allowed for their development.

In the Salt Glazed Tile, Natco Litewall is supplied in a new pleasing range of extremely light buff shades.



Nacto Inserts

Decorative tile inserts that illustrate trade marks or certain other individual designs, characteristic of the particular project, add greatly to the appearance and general scheme of the finished wall. Typical Glazed Tile inserts made from sketches and drawings submitted to us, are illustrated to show the craftsmanship and general artistic treatment employed in their execution. Natco Glazed Tile inserts are all hand-made and are furnished on special order.



TABLES FOR DETERMINING HEIGHTS AND LENGTHS OF WALLS

These tables have been prepared as a ready reference and will be found very helpful. The height tables determine the heights of walls from the finished floor line which will best lay up without cutting tile. When cove base is used, be sure to provide

for height of cove base course. The length tables show the length of walls and pilasters which will best lay up without cutting tile. To find width of openings, add two mortar joints or $\frac{1}{2}$ in. to each dimension given.

HEIGHT TABLE

Course Number	5" Heights $\frac{1}{4}$ " Joints	8" Heights $\frac{1}{4}$ " Joints
1	5 $\frac{1}{4}$ "	8 $\frac{1}{4}$ "
2	10 $\frac{1}{2}$ "	1' 4 $\frac{1}{2}$ "
3	1' 3 $\frac{3}{4}$ "	2' 0 $\frac{3}{4}$ "
4	1' 9"	2' 9"
5	2' 2 $\frac{1}{4}$ "	3' 5 $\frac{1}{4}$ "
6	2' 7 $\frac{1}{2}$ "	4' 1 $\frac{1}{2}$ "
7	3' 0 $\frac{3}{4}$ "	4' 9 $\frac{3}{4}$ "
8	3' 6"	5' 6"
9	3' 11 $\frac{1}{4}$ "	6' 2 $\frac{1}{4}$ "
10	4' 4 $\frac{1}{2}$ "	6' 10 $\frac{1}{2}$ "
11	4' 9 $\frac{3}{4}$ "	7' 8 $\frac{3}{4}$ "
12	5' 3"	8' 3"
13	5' 8 $\frac{1}{4}$ "	8' 11 $\frac{1}{4}$ "
14	6' 1 $\frac{1}{2}$ "	9' 7 $\frac{1}{2}$ "
15	6' 6 $\frac{3}{4}$ "	10' 3 $\frac{3}{4}$ "
16	7' 0"	11' 0"
17	7' 5 $\frac{1}{4}$ "	11' 8 $\frac{1}{4}$ "
18	7' 10 $\frac{1}{2}$ "	12' 4 $\frac{1}{2}$ "
19	8' 3 $\frac{3}{4}$ "	13' 0 $\frac{3}{4}$ "
20	8' 9"	13' 9"
21	9' 2 $\frac{1}{4}$ "	14' 5 $\frac{1}{4}$ "
22	9' 7 $\frac{1}{2}$ "	15' 1 $\frac{1}{2}$ "
23	10' 0 $\frac{3}{4}$ "	15' 9 $\frac{3}{4}$ "
24	10' 6"	16' 6"
25	10' 11 $\frac{1}{4}$ "	17' 2 $\frac{1}{4}$ "
26	11' 4 $\frac{1}{2}$ "	17' 10 $\frac{1}{2}$ "
27	11' 9 $\frac{3}{4}$ "	18' 6 $\frac{3}{4}$ "
28	12' 3"	19' 3"
29	12' 8 $\frac{1}{4}$ "	19' 11 $\frac{1}{4}$ "
30	13' 1 $\frac{1}{2}$ "	20' 7 $\frac{1}{2}$ "

LENGTH TABLE

Number of Tile	8" Lengths $\frac{1}{4}$ " Joints	12" Lengths $\frac{1}{4}$ " Joints	16 $\frac{1}{4}$ " Lengths $\frac{1}{4}$ " Joints
1	8"	1' 0"	1' 4 $\frac{1}{4}$ "
2	1' 0 $\frac{1}{8}$ "	1' 6 $\frac{1}{8}$ "	2' 0 $\frac{1}{2}$ "
2 1 $\frac{1}{2}$	1' 4 $\frac{1}{4}$ "	2' 0 $\frac{1}{2}$ "	2' 8 $\frac{3}{4}$ "
3	1' 8 $\frac{3}{8}$ "	2' 6 $\frac{3}{8}$ "	3' 5"
4	2' 0 $\frac{1}{2}$ "	3' 0 $\frac{1}{2}$ "	4' 1 $\frac{1}{4}$ "
5	2' 4 $\frac{5}{8}$ "	3' 6 $\frac{5}{8}$ "	4' 9 $\frac{1}{2}$ "
6	2' 8 $\frac{3}{4}$ "	4' 0 $\frac{3}{4}$ "	5' 5 $\frac{3}{4}$ "
7	3' 0 $\frac{7}{8}$ "	4' 6 $\frac{7}{8}$ "	6' 2"
8	3' 5"	5' 1"	6' 10 $\frac{1}{4}$ "
9	3' 9 $\frac{1}{8}$ "	5' 7 $\frac{1}{8}$ "	7' 6 $\frac{1}{2}$ "
10	4' 1 $\frac{1}{4}$ "	6' 1 $\frac{1}{4}$ "	8' 2 $\frac{3}{4}$ "
11	4' 5 $\frac{3}{8}$ "	6' 7 $\frac{3}{8}$ "	8' 11"
12	4' 9 $\frac{1}{2}$ "	7' 1 $\frac{1}{2}$ "	9' 7 $\frac{1}{4}$ "
13	5' 1 $\frac{5}{8}$ "	7' 7 $\frac{5}{8}$ "	10' 3 $\frac{1}{2}$ "
14	5' 5 $\frac{3}{4}$ "	8' 1 $\frac{3}{4}$ "	10' 11 $\frac{3}{4}$ "
15	5' 9 $\frac{7}{8}$ "	8' 7 $\frac{7}{8}$ "	11' 8"
16	6' 2"	9' 2"	12' 4 $\frac{1}{4}$ "
17	6' 6 $\frac{1}{8}$ "	9' 8 $\frac{1}{8}$ "	13' 0 $\frac{1}{2}$ "
18	6' 10 $\frac{1}{4}$ "	10' 2 $\frac{1}{4}$ "	13' 8 $\frac{3}{4}$ "
19	7' 2 $\frac{3}{8}$ "	10' 8 $\frac{3}{8}$ "	14' 5"
20	7' 6 $\frac{1}{2}$ "	11' 2 $\frac{1}{2}$ "	15' 1 $\frac{1}{4}$ "
21	7' 10 $\frac{3}{8}$ "	11' 8 $\frac{3}{8}$ "	15' 9 $\frac{1}{2}$ "
22	8' 2 $\frac{3}{4}$ "	12' 2 $\frac{3}{4}$ "	16' 5 $\frac{3}{4}$ "
23	8' 6 $\frac{7}{8}$ "	12' 8 $\frac{7}{8}$ "	17' 2"
24	8' 11"	13' 3"	17' 10 $\frac{1}{4}$ "
25	9' 3 $\frac{1}{8}$ "	13' 9 $\frac{1}{8}$ "	18' 6 $\frac{1}{2}$ "
26	9' 7 $\frac{1}{4}$ "	14' 3 $\frac{1}{4}$ "	19' 2 $\frac{3}{4}$ "
27	9' 11 $\frac{3}{8}$ "	14' 9 $\frac{3}{8}$ "	19' 11"
28	10' 3 $\frac{1}{2}$ "	15' 3 $\frac{1}{2}$ "	20' 7 $\frac{1}{4}$ "
29	10' 7 $\frac{5}{8}$ "	15' 9 $\frac{5}{8}$ "	21' 3 $\frac{1}{2}$ "

50 Years of Service to the Building Industry

STANDARD SPECIFICATIONS FOR NATCO GLAZED STRUCTURAL FACING TILE

1. DESCRIPTION Structural Glazed Ware for the walls of (Schedule of rooms) shall be First Quality (Salt Glazed) or (Ceramic Glazed) Structural Glazed units made on a fire clay body. The field units shall be (State Color and Shade No.) with units for (Cove Course, Cap Course, Trim, Borders, Panels, Etc.) and shall conform to the samples submitted and approved for this operation. The plans show the general scheme of decorative treatment and indicate where the colors are to be used.

2. SIZES AND SHAPES Units shall be (State Face Dimensions) in face size and $1\frac{3}{4}"$, $3\frac{7}{8}"$, $5\frac{7}{8}"$ or $8"$ in thickness as shown on the plan. All necessary shapes shall be furnished as required. In general, all external corners, sills, jambs and lintels shall be bull-nosed. At the floor there shall be a base (with or without cove) in shade (contrasting to or the same as) the shade used in the field. (If a cap course is desired, state type and shade). (If header or bonding courses are to be used, so state. All two face walls or partitions shall be built of two single face units bonded.

3. QUALITY All units shall be of the highest structural and mechanical quality with shading consistent with manufacturing processes and samples approved. All units shall be reasonably straight and true with finished faces free from chips, crazes, blisters, crawling and other imperfections noticeable at a distance of 5 feet. All units shall conform to Standard Grading Rules of Glazed Brick and Tile Institute.

4. FINISH All surfaces that will be exposed when the units are laid in the wall, shall be finished with a uniform glaze which shall cover all exposed surfaces thoroughly.

- 4a. The glaze of a ceramic unit shall be:
 - (a) Matt—(non-reflecting)
 - (b) Satin
 - (c) Glossy—(Lustrous—image reflecting)
- 4b. The glaze of ceramic glazed units or the finish of a clay coated unit shall be applied prior to final burning and shall be made permanent and vitreous by burning.
- 4c. The glaze of salt glazed units shall be produced by introducing salt into the fire during the burning process.
- 4d. Salt glazed products shall not be used where ceramic glazed is specified.
- 4e. Clay coated shall not be used where ceramic glazed is specified.
- 4f. Facing Tile shall not be used where glazed or coated products are specified.

5. CORING All units may be either solid or cored up to 45% of the gross sectional area. When specified for use in Post Office workrooms or places where walls are unprotected against continuous heavy impact, units shall not be cored to exceed 25%.

6. TESTS ON CERAMIC GLAZES

- 6a. Grazing, Spalling, Peeling and Cracking: A definitely controlled and recorded steam autoclave test shall be made as follows: Three units carefully marked for identification shall be tested. They shall be thoroughly dry and then placed in

an autoclave and the steam pressure started and slowly brought up to between 25 and 30 pounds pressure in thirty minutes, the pressure then increased gradually to between 65 and 75 pounds in the next fifteen minutes, then increased gradually to 150 pounds in not less than fifteen minutes. The pressure shall then be held at 150 pounds, plus or minus 5 pounds, for a period of one hour. The pressure shall then be released by a gradual opening of the autoclave to allow a gradual cooling over a period of not less than thirty minutes, to room or hand-handling temperature. The brick shall then be removed and examined. Ink shall then be applied to the finish and allowed to stand for five minutes, the surface washed with a wet cloth and running water and any development of crazing, spalling, peeling or cracking may be cause for rejection.

- 6b. Imperviousness: Liquid ink or Methylene blue shall be applied liberally to the finish, and allowed to stand for five minutes. The surface shall then be washed with a wet cloth and running water, and examined. If any trace of the ink or Methylene blue shall remain, it may be cause for rejection, except with a matt, stippled or mottled finish, a slight discoloration in depressions will not be cause for rejection.
- 6c. Opacity of Finish: If opacity of the finish of the glazed face is required it may be tested by applying ink or Methylene blue to the body of the burned product close to the finished surface. It may be grounds for rejection if, after five minutes, there is any visible indication of penetration of the coating by the liquid when viewed through the glazed surface.
- 6d. Acid Resistance: A portion of the finished surface of one or more units shall be submerged in a 10% solution of hydrochloric acid for three hours, cleaned and examined. The color and/or luster of the finish shall not be altered by this treatment.

7. SALT GLAZES Salt glazes shall have a smooth, lustrous, light reflecting surface, resistant to the acid test for Ceramic Glazes and resistant to pencil and crayon marks.

8. CLAY COATED This shall have a dull non-reflecting coating which will resist ink stains.

9. FACING TILE This shall be a "face brick" finish devoid of coating and subject to the same size and structural tolerance as glazed ware.

10. ABSORPTION OF BODY When the units are intended for use where exposed to frost action, the absorption of the body of the unit by 24-hour submersion in cold water shall not exceed 14 per cent, and in addition the units shall conform to at least one of the following requirements for absorption:

The absorption by 24-hour submersion in cold water shall not exceed 7 per cent.

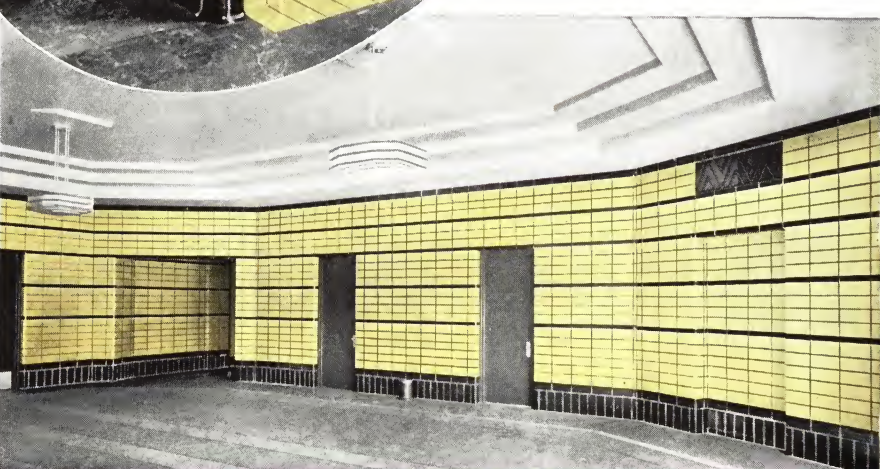
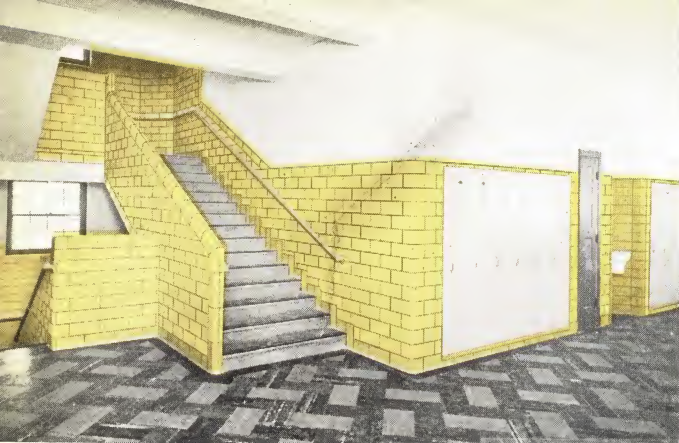
The ration of the absorption by 24-hour submersion in water to the absorption by 5-hour submersion in boiling water shall not exceed 0.80.

11. PACKAGING All A-Grade Ceramic Glazed, Salt Glazed and Clay Coated units shall be shipped in cartons or trays.

FOR EVERY TYPE OF BUILDING

Nateo Glazed Structural Facing Tile has an application somewhere in every building, everywhere in some buildings. It is ideal for the walls, partitions and wainscots in laboratories, schools, airports, restaurants, gymnasiums, corridors, lavatories, shower rooms, garages, abattoirs, breweries, distilleries, hotel kitchens and supply rooms, hospitals, power houses, auto service and filling stations, dairies, creameries, army barracks, auditoriums and recreational buildings, food product plants, post offices, meat packing plants, offices, chemical plants, natatoriums, waiting rooms and similar applications.

Nateo Glazed Structural Facing Tile is manufactured by a corporation established in 1889, which has been in that particular line of business continuously since that time.



Printed in U. S. A.



Catalog
No. 50

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